Intermonal Application No PCT/EP2004/013427

A. CLASSIF	CATION OF SUBJECT MATTER G01N33/82					
110 / 1011100/01						
According to	International Patent Classification (IPC) or to both national classification	on and IPC				
B. FIELDS S						
Minimum doc	currentation searched (classification system followed by classification $601N$	symbols)				
110,						
Documentation	on searched other than minimum documentation to the extent that suc	h documents are included in the fields se	arched			
Electronic da	ta base consulted during the international search (name of data base	and, where practical, search terms used)				
EPO-Int	cernal, BIOSIS	•				
			· ·			
C. DOCUME	NTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.			
Α	HOLMBERG I ET AL: "DETERMINATION	OF 25	1-9			
^	HYDROXY VITAMIN D-3 IN SERUM BY HI	:GH	1 3			
	PERFORMANCE LIQUID CHROMATOGRAPHY					
	ISOTOPE DILUTION MASS SPECTROMETRY" SCANDINAVIAN JOURNAL OF CLINICAL AND					
•	LABORATORY INVESTIGATION, vol. 44, no. 4, 1984, pages 275-28		`			
	XP009052947	oz, .				
·	ISSN: 0036-5513					
	the whole document		·			
	- /	/				
		Datast familia mamban and listed	<u> </u>			
	her documents are listed in the continuation of box C.	Patent family members are listed	in annex.			
		T* later document published after the into or priority date and not in conflict with	the application but			
consi	ent defining the general state of the art which is not dered to be of particular relevance	cited to understand the principle or th invention				
filing	*E* earlier document but published on or after the International filling date *X* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to					
which	"I' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cliation or other special reason (as specified) "Y' document of particular relevance; the claimed inventive step when the cannot be considered to involve an inventive step when the					
	O' document referring to an oral disclosure, use, exhibition or document is combined with one or more other such document other means document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document is combined with one or more other such document.					
'P' docum	P* document published prior to the international filing date but later than the priority date claimed in the art. ** document member of the same patent family					
Date of the	actual completion of the international search	Date of malling of the international sea	arch report			
30 August 2005 08/09/2005						
Name and	mailing address of the ISA	Authorized officer				
European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,						
1	Fax: (+31-70) 340-3016 Lüdemann, S					

Intel Intel

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
A	LUQUE DE CASTRO M D ET AL: "Determination of vitamin D3 metabolites: State-of-the-art and trends" JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 20, no. 1-2, June 1999 (1999-06), pages 1-17, XP002342738 ISSN: 0731-7085 the whole document	1-9
A	RYCHENER M ET AL: "A SIMPLIFIED AND IMPROVED DETERMINATION OF VITAMIN D IN FAT OIL AND MARGARINE BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY" MITTEILUNGEN AUS DEM GEBIETE DER LEBENSMITTELUNTERSUCHUNG UND HYGIENE, vol. 76, no. 1, 1985, pages 112-124, XP009052981 ISSN: 0026-6841	1-9
P,X	HEUDI O ET AL: "Simultaneous quantification of Vitamins A, D3 and E in fortified infant formulae by liquid chromatography-mass spectrometry" JOURNAL OF CHROMATOGRAPHY, ELSEVIER	1-9
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673 the whole document	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	
	SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673	

Intermonal Application No PCT/EP2004/013427

			1 C 1 / E 1 Z U U 4	1/01342/		
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N33/82						
	International Patent Classification (IPC) or to both national classification	on and IPC				
B. FIELDS:	SEARCHED currentation searched (classification system tollowed by classification	symbole)				
IPC 7	GOIN .	Symbols				
				· · · · · · · · · · · · · · · · · · ·		
	ion searched other than minimum documentation to the extent that suc					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)						
EPO-In	ternal, BIOSIS					
				•		
	ENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the relev	ant passages		Relevant to claim No.		
Α	HOLMBERG I ET AL: "DETERMINATION OF 25 HYDROXY VITAMIN D-3 IN SERUM BY HIGH			1-9		
	PERFORMANCE LIQUID CHROMATOGRAPHY	AND		,		
	ISOTOPE DILUTION MASS SPECTROMETRY SCANDINAVIAN JOURNAL OF CLINICAL A					
·	LABORATORY INVESTIGATION,					
	vol. 44, no. 4, 1984, pages 275-282, XP009052947					
	ISSN: 0036-5513					
	the whole document					
		′		. "		
	•					
ŀ						
X Further documents are listed in the continuation of box C. Patent familiy members are listed in annex.						
Special categories of cited documents:						
A document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory undertying the						
E earlier document but published on or after the international filing date *X' document of particular relevance; the claimed invention cannot be considered payables considered by co						
which is cited to establish the publication date of another involve an inventive step when the document is taken alone						
O document referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such docu-						
"P" document published prior to the international filing date but ments, such combination being obvious to a person skilled in the art.						
Date of the actual completion of the international search Date of mailing of the international search report						
3	30 August 2005 08/09/2005					
Name and r	nailing address of the ISA	Authorized officer				
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk					
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Lüdemann, S						

Intersonal Application No PCT/EP2004/013427

		PCT/EP200	04/013427	
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.	
Α	LUQUE DE CASTRO M D ET AL: "Determination of vitamin D3 metabolites: State-of-the-art and trends" JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 20, no. 1-2, June 1999 (1999-06),	,	1-9	
	pages 1-17, XP002342738 ISSN: 0731-7085 the whole document			
A	RYCHENER M ET AL: "A SIMPLIFIED AND IMPROVED DETERMINATION OF VITAMIN D IN FAT OIL AND MARGARINE BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY" MITTEILUNGEN AUS DEM GEBIETE DER LEBENSMITTELUNTERSUCHUNG UND HYGIENE, vol. 76, no. 1, 1985, pages 112-124, XP009052981 ISSN: 0026-6841	·	1-9	
P,X	HEUDI O ET AL: "Simultaneous quantification of Vitamins A, D3 and E in fortified infant formulae by liquid chromatography-mass spectrometry" JOURNAL OF CHROMATOGRAPHY, ELSEVIER SCIENCE PUBLISHERS B.V. AMSTERDAM, NL, vol. 1022, no. 1-2, 2 January 2004 (2004-01-02), pages 115-123, XP004473612 ISSN: 0021-9673 the whole document		1-9	
				
• .				
			ľ	